

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/002177

A. CLASSIFICATION OF SUBJECT MATTER

IPC[7]: A47C-7/40, A47C-7/02, B60N-2/66

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: A47C & B60N CPC: 155

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

Delphion (all databases) CPD Internet

Keywords: manikin/mannequin, lumbar, h-point/hip point, torso line, and the like

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
A	WO 03/011634 A1 (JOHNSON CONTROLS TECHNOLOGY COMPANY) 13 February 2003 (13-02-2003) * Paragraphs [001]-[011] & Fig. 1 *	1 - 51
A	JP 01-094037 A2 (NISSAN MOTOR CO LTD) 12 April 1989 (12-04-1989) * Abstract & Figures *	11 - 51
A	JP 01-094038 A2 (NISSAN MOTOR CO LTD) 12 April 1989 (12-04-1989) * Abstract & Figures *	1 - 10
- End of items -		

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"Q" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

06 April 2005 (06-04-2005)

Date of mailing of the international search report

10 May 2005 (10-05-2005)

Name and mailing address of the ISA/CA
Canadian Intellectual Property Office
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of the first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. ☒ Claim Nos. : 1-51

because they relate to subject matter not required to be searched by this Authority, namely :

The claims are of an abstract or intellectual character as they are directed to methods of 'designing' or 'shaping' (used in the sense of designing an item, as opposed to actual manipulation of an item) seat backs without culminating in any material result. The Examiner is of the opinion that the claims could readily be redrafted such that they would define non-excluded subject matter. Therefore a search was conducted, but the claims were interpreted as effectively being directed to methods of manufacturing seat backs with shape aspects in accordance with the claimed geometry.

2. ☐ Claim Nos. :

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :

3. ☐ Claim Nos. :

because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

Group A: Claims 1-10

These claims are directed to a method of designing a centerline for a seat back of a seat assembly, the 'designing' effectively determining a contour of the seat back in a generally vertical extent

Group B: Claims 11-51

These claims are directed to a method for shaping a seat back of a seat assembly, the 'shaping' effectively determining the contour of an apex central portion of the seat back face in a generally lateral extent (i.e. in a plane perpendicular to the centerline defined in Group A)

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos. :
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim Nos. :

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/CA2004/002177

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
WO 03011634 A1	13-02-2003	EP 1412220 A1 US 6565153 B2	28-04-2004 20-05-2003
JP 01094037 A2	12-04-1989	JP 07055635 B4	1995-06-14
JP 01094038 A2	12-04-1989	JP 07057579 B4	1995-06-21